

Daily Air Quality Report September 9, 2020

Beaumont

Total Operational Near Real-Time Monitors: 2 for volatile organic compounds (VOCs); 4 for sulfur dioxide (SO₂); 3 for particulate matter (PM_{2.5}).

Air Quality Summary: Measured hourly VOC concentrations, including benzene and 1,3-butadiene, were generally low and in the typical range for the Beaumont area on September 9, 2020. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO₂ concentrations measured in the Beaumont area generally remained low on September 9, 2020. All hourly SO₂ concentrations were below a level of health concern.

Hourly PM_{2.5} concentrations measured in the Beaumont area on September 9, 2020 were generally within the range of typical concentrations for this area, although concentrations measured at the SETRPC Mauriceville monitor were slightly higher than average early in the morning. All hourly PM_{2.5} concentrations were below a level of health concern.

Houston

Total Operational Near Real-Time Monitors: 9 for volatile organic compounds (VOCs); 7 for sulfur dioxide (SO₂); 7 for particulate matter (PM_{2.5}).

Air Quality Summary: Measured hourly VOC concentrations, including benzene and 1,3-butadiene, were generally low and in the typical range for the Houston Ship Channel area on September 9, 2020. Concentrations of benzene at the Galena Park, Channelview, Clinton, and HRM #3 Haden Road monitors were somewhat higher than average for multiple hours, but even the highest concentrations were still more than 15-times lower than the health-based comparison level. Similarly, concentrations of 1,3-butadiene at the Galena Park and Milby Park monitors were slightly higher than average for several hours but were still more than 450-times lower than the health-based comparison level. All measured VOC concentrations remained far below levels of short-term health concern.

Hourly SO₂ concentrations measured in the Houston Ship Channel and Galveston areas generally remained low on September 9, 2020. Several hourly concentrations of SO₂ measured at the Texas City Ball Park monitor were slightly higher than average, but were still 25-times lower than the level of the federal SO₂ standard. All hourly SO₂ concentrations were below a level of health concern.

Hourly PM_{2.5} concentrations measured in the Houston Ship Channel and Galveston areas on September 9, 2020 were slightly higher than average earlier in the day but were still below concentrations of health concern.